

WHAT IS CLAIMED IS:

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1. A photographing apparatus provided with a picture-taking device which photographs a subject, comprising:
    - a transmission type chart to be attached to said photographing apparatus and having at least a chromatic color portion;
    - a storage device which stores a color reproduction target value for the chromatic color portion of said chart; and
    - a correction device which corrects a color correction coefficient of image data obtained by photographing by said photographing apparatus, on the basis of image data obtained by photographing an achromatic color portion of a subject by said picture-taking device through the chromatic color portion of said chart and on the basis of the color reproduction target value stored in said storage device.
  2. A photographing apparatus according to claim 1, further comprising:
    - an input device which inputs an instruction to perform the correction; and
    - a moving device which moves said chart onto an optical axis of said picture-taking device when the instruction to perform the correction is input from said input device, and moves said chart

off of the optical axis of said picture-taking device when photographing is finished.

3. A photographing apparatus according to claim 1, wherein:

said chart is substantially disc-shaped, and is structured so as to be rotatable around a shaft parallel to an optical axis of said picture-taking device, and has a chromatic color portion and an achromatic color portion, each having at least a single color, on a disc surface thereof; and

said photographing apparatus further comprises a rotating device which rotates said chart such that the single-color chromatic color portion and the single-color achromatic color portion thereof are selectively positioned on the optical axis of said picture-taking device.

4. A photographing apparatus according to claim 3, wherein:

said chart is structured so as to have a chromatic color portion and an achromatic color portion, each having at least a single color, and such that the chromatic color portion and the achromatic color portion are selectively positioned on the optical axis of said picture-taking device;

said photographing apparatus further comprises an identification device which identifies the portion of said chart positioned on the optical axis of said picture-taking device; and

said correction device performs the correction on the basis of results of identification by said identification device.

5. A photographing apparatus according to claim 3, wherein:  
said picture-taking device includes a photographing lens;  
said chart comprises a plurality of single-color charts, each having a single-color chromatic color portion or a single-color achromatic color portion;

the single-color charts can be selectively attached to the photographing lens;

said photographing apparatus further comprises an identification device which identifies the single-color chart attached to the photographing lens; and

said correction device performs the correction on the basis of results of identification by said identification device.

6. A photographing apparatus according to claim 1, wherein:  
said picture-taking device includes a photographing lens;  
and

said chart is structured so as to be able to attached to the photographing lens when a predetermined position of said chart coincides with a predetermined position of the photographing lens.

7. A photographing apparatus according to claim 1, wherein

said chart is structured so as to have a chromatic color portion and an achromatic color portion, each having at least a single color, and such that the chromatic color portion and the achromatic color portion are selectively positioned on an optical axis of said picture-taking device;

said photographing apparatus further comprises an identification device which identifies the portion of said chart positioned on the optical axis of said picture-taking device; and

said correction device performs the correction on the basis of results of identification by said identification device.

8. A photographing apparatus according to claim 1, wherein:

said picture-taking device includes a photographing lens;

said chart comprises a plurality of single-color charts, each having a single-color chromatic color portion or a single-color achromatic color portion;

the single-color charts can be selectively attached to the photographing lens;

said photographing apparatus further comprises an identification device which identifies the single-color chart attached to the photographing lens; and

said correction device performs the correction on the basis of results of identification by said identification device.

9. A photographing apparatus provided with a picture-taking device which photographs a subject, comprising:

a transmission type chart to be attached to said photographing apparatus and having at least one of a chromatic color portion and an achromatic color portion; and

a correction device which corrects a white balance of an image signal obtained by photographing by said picture-taking device, on the basis of an image signal obtained by photographing an achromatic color portion of a subject by said picture-taking device through at least one of the chromatic color portion and the achromatic color portion of said chart.

10. A photographing apparatus according to claim 9, further comprising a storage device which stores a color reproduction target value for the chromatic color portion of said chart,

wherein said correction device also corrects a color correction coefficient of image data obtained by photographing by said picture-taking device, on the basis of image data obtained by photographing an achromatic color portion of a subject by said picture-taking device through the chromatic color portion of said chart and on the basis of the color reproduction target value for the chromatic color portion of said chart stored in said storage device.

11. A photographing apparatus according to claim 10, further comprising:

an input device which inputs an instruction to perform the correction; and

a moving device which moves said chart onto an optical axis of said picture-taking device when the instruction to perform the correction is input from said input device, and moves said chart off of the optical axis of said picture-taking device when photographing is finished.

12. A photographing apparatus according to claim 10, wherein:

said chart is substantially disc-shaped, and is structured so as to be rotatable around a shaft parallel to an optical axis of said picture-taking device, and has a chromatic color portion and an achromatic color portion, each having at least a single color, on a disc surface thereof; and

said photographing apparatus further comprises a rotating device which rotates said chart such that the single-color chromatic color portion and the single-color achromatic color portion thereof are selectively positioned on the optical axis of said picture-taking device.

13. A photographing apparatus according to claim 10, wherein:

said picture-taking device includes a photographing lens;  
and

said chart is structured so as to be able to attached to the photographing lens when a predetermined position of said chart coincides with a predetermined position of the photographing lens.

14. A photographing apparatus according to claim 10, wherein said chart is structured so as to have a chromatic color portion and an achromatic color portion, each having at least a single color, and such that the chromatic color portion and the achromatic color portion are selectively positioned on an optical axis of said picture-taking device;

said photographing apparatus further comprises an identification device which identifies the portion of said chart positioned on the optical axis of said picture-taking device; and

said correction device performs the correction on the basis of results of identification by said identification device.

15. A photographing apparatus according to claim 10, wherein:

said picture-taking device includes a photographing lens;

said chart comprises a plurality of single-color charts, each having a single-color chromatic color portion or a single-color achromatic color portion;

the single-color charts can be selectively attached to the photographing lens;

said photographing apparatus further comprises an identification device which identifies the single-color chart attached to the photographing lens; and

said correction device performs the correction on the basis of results of identification by said identification device.

16. A photographing apparatus according to claim 9, further comprising:

an input device which inputs an instruction to perform the correction; and

a moving device which moves said chart onto an optical axis of said picture-taking device when the instruction to perform the correction is input from said input device, and moves said chart off of the optical axis of said picture-taking device when photographing is finished.

17. A photographing apparatus according to claim 9, wherein:

said chart is substantially disc-shaped, and is structured so as to be rotatable around a shaft parallel to an optical axis of said picture-taking device, and has a chromatic color portion and an achromatic color portion, each having at least a single color, on a disc surface thereof; and

said photographing apparatus further comprises a rotating device which rotates said chart such that the single-color chromatic color portion and the single-color achromatic color





